

Date: Tue, 23 Feb 93 19:33:21 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #249
To: Info-Hams

Info-Hams Digest Tue, 23 Feb 93 Volume 93 : Issue 249

Today's Topics:

 Advice on mobile rig in Ford Ranger?
 Alinco DJ160 mods. Has anyone actually done them ?
 Azden PCS-9000 microphone socket
 Bill Clinton and military surplus
 Charge controller for deep cycle battery
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FORGET THE CW HELP BRUNO - GET A DICTIONARY INSTEAD!
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 Indoor Antennas
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 Question about a crystal.
 Straight Keys
 Tokyo Hi-Power HF Talkie
 too darn big!
 Yugo Prefix needed

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 23 Feb 1993 22:46:01 GMT
From: swrinde!cs.utexas.edu!oakhill!news@network.UCSD.EDU
Subject: Advice on mobile rig in Ford Ranger?
To: info-hams@ucsd.edu

Greetings all...

I'm seriously considering buying a Ford Ranger and want to install a UHF radio in it. I'd be interested to hear from anyone who is using VHF or UHF rigs in a Ranger. Power output will be about 25 watts and I'll probably use a permanent roof-mounted antenna. I'm mainly interested in advice on mounting locations, power & antenna cable routing, noise problems, on-board computer problems, etc.

Thanks & 73....

Mark AA7TA

Date: Tue, 23 Feb 1993 19:21:31 GMT
From: sdd.hp.com!ux1.cso.uiuc.edu!usenet.ucs.indiana.edu!bronze.ucs.indiana.edu!
jltaylor@network.UCSD.EDU
Subject: Alinco DJ160 mods. Has anyone actually done them ?
To: info-hams@ucsd.edu

It was reported recently that the mods for the DJ160 were to "snip the pink wire" ... I appreciate the lead on the mods, but I found no pink wire in my radio. Has anyone actually performed this operation on their radio? If you have, would you mind dropping me a note and telling me what you did exactly? Thanks .. jeff

Date: 23 Feb 93 19:13:41 GMT
From: usc!howland.reston.ans.net!paladin.american.edu!news.univie.ac.(!hp4at!
mcsun!uknet!mucs!chardi@network.UCSD.EDU
Subject: Azden PCS-9000 microphone socket
To: info-hams@ucsd.edu

I recently bought a second-hand Azden PCS-9000 2m rig, and am looking for a source of the strange plug that mates with the 12-pin microphone socket. I've got the connection details to plug it into my PK-232, but don't really want to chop up the microphone lead.

Thanks if you can help.

Ian.

--

```
[ Ian Chard, Systems Integration | IPDETRTPTRBOTAFQAHTDITDB! ]
[ University of Manchester, UK   | (BPDIAI) ]
[ Email: chardi@cs.man.ac.uk    | ]
[ Al-Hussein: 50d50'N 0d15'W   | -- me ]
```

Date: 22 Feb 93 17:24:38 GMT
From: opel!slc1!vk2bea!michael@uunet.uu.net
Subject: Bill Clinton and military surplus
To: info-hams@ucsd.edu

In article <1993Feb18.125124.21401@cbnewsj.cb.att.com> k2ph@cbnewsj.cb.att.com
(The QRPer) writes:

>From article <1993Feb18.073301.27327@ke4zv.uucp>, by gary@ke4zv.uucp (Gary
Coffman):

>> In article <1993Feb17.150150.20002@mlb.semi.harris.com>
RSUMPERL@JAGUAR.ESS.HARRIS.COM (05991 SUMPERL RP) writes:

>>

>> Let's see, Clinton has 6 letters, Billary has 6 letters, does anyone
>> know if Clinton's middle names have 6 letters? We all suspect him of
>> being the anti-Christ, can we prove it?

>

>

>Clinton has 6 letters?!? Billary has 6 letters?!?

>

>Is this the new math? :-)

>

Great argument for passing the President's program for education reform!

--

```
Michael Katzmann                > Broadcast Sports Technology Inc.
~~~~~                          < Crofton, Maryland. U.S.A
Amateur Radio Stations:         >
NV3Z / VK2BEA / G4NYV / AAR3VK < opel!vk2bea!michael@uunet.uu.net
```

Date: 23 Feb 93 23:54:36 GMT
From: arizona.edu!zippy.telcom.arizona.edu!nauvax.ucc.nau.edu!cvm@arizona.edu
Subject: Charge controller for deep cycle battery
To: info-hams@ucsd.edu

Does anyone have a schematic for simple/inexpensive charge controller?
I have the opportunity to pickup some cheap possibly free solar panels
and I don't want to boil away my battery.

Chris Michels -- Systems Programmer cvm@nauvax.ucc.nau.edu
Northern Arizona University -- Flagstaff, AZ cvm@nauvax.bitnet
Phone: (602) 523-6495 N7YIU

Date: Tue, 23 Feb 1993 20:13:52 GMT
From: sdd.hp.com!hpscit.sc.hp.com!hpuerca.atl.hp.com!jab@network.UCSD.EDU
Subject: Clinton's Cuts
To: info-hams@ucsd.edu

In <1993Feb18.132907.4898@wam.umd.edu> ham@wam.umd.edu (Scott Richard Rosenfeld) writes:

>I was looking through the Washington Post this morning, looking for a
>detailed breakdown of those "belt-tightening" measures of which Clinton
>spoke last night. Along with the taxing of Social Security (\$21 billion)
>and alteration of Medicare (\$5 billion) is the:

>Auction of Federal Communications Commission Spectrum (\$4 billion).

Lloyd Bentsen described this on CSPAN as a "User Fee" issue. (As opposed to a tax.) His explanation was that user fees are not taxes because:

 If the USG is subsidizing something, than subsidizing it less (through user fees) is not a tax.

This perverted logic was used to enable the recently overturned marine user fee. The marine user fee did not return any funds to the USCG, or any other marine related agency. It went to the general fund for congress to waste.

I suspect the first FCC user fees will be of a similar nature.

I just want to know: How is the USG subsidizing the spectrum. They do not own it..... They do not have to replenish it (Add magnetic fields???)

This is a tax, and I suspect we may be targeted. (Though I suspect commercial interests will be first.)

Alan "I am tired of taxes and congress" Barrow

>What exactly does this mean? I don't know, personally, but it seems

>as though we will be having to fight for our frequencies, such as 220,
>902, etc. again. And I thought the FCC already charged people to use
>the spectrum...

>Scott NF3I

>--

>Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD

Date: 23 Feb 93 23:45:31 GMT
From: arizona.edu!zippy.telcom.arizona.edu!cvm.ucc.nau.edu!cvm@arizona.edu
Subject: DJ-580 antenna
To: info-hams@ucsd.edu

In article <7214.1182.uupcb@satalink.com> marc.snyder@satalink.com (Marc Snyder)
writes:

>I just picked up the DJ-580T, performed the blue wire mod, and everything
>is ok. But I was curious if there is a better antenna than the stock
>rubber duck. I suppose there is, but I'd appreciate any tips/suggestions.
>Thanks.
>Marc Snyder - Cheltenham, PA (marc.snyder@satalink.com)
>
>___ Blue Wave/QWK v2.12
>

Is there a worse antenna than the stock rubber duck for a DJ-580? I have
tried only a couple other antennas including Icom and Yaesu dual band
antennas and everything performed better. I have yet to go out and buy
a different antenna, but it won't be long.

Chris Michels -- Systems Programmer cvm@nauvax.ucc.nau.edu
Northern Arizona University -- Flagstaff, AZ cvm@nauvax.bitnet
Phone: (602) 523-6495 N7YIU

Date: 23 Feb 1993 16:12:32 -0500
From: sdd.hp.com!zaphod.mps.ohio-state.edu!howland.reston.ans.net!wupost!
bigboy.sbc.com!news.mtholyoke.edu!mhc.mtholyoke.edu!pryack@network.UCSD.EDU
Subject: EAST COAST TV Channels
To: info-hams@ucsd.edu

To fill in some more local TV channels:

Boston: 2,4,5,7,25,38,44,56,66,68
Providence: 6,10,12,36,64
Worcester: 14 is QRT for years; 27 is active
Hartford: add 24,61
North Adams, MA: 19
Albany, NY: 6,10,13
57: Springfield, MA

--

Paul R. Ryack, M.D., M.P.H. |pryack@mhc.mtholyoke.edu
|W1ETH@K1MEA.#WMA.MA.USA.NOAM

There are certain sections of |fax: (413)532-9141
New York, Major, that I wouldn't|
advise you to try and invade. |

Date: Tue, 23 Feb 1993 21:58:08 GMT
From: pacbell.com!att-out!cbnewsh!cbnewse!cbnewsd!cbnewsc!cbfsb!
cbnewsb.cb.att.com!wa2ise@network.UCSD.EDU
Subject: EAST COAST TV Channels
To: info-hams@ucsd.edu

In New York City area: CH 2,4,5,7,9,11,13,21,25,31,41,47,53(lptv),68
NJ has: 23,50,52,58
Philly: 3,6,10,12,17

lists probably left a few stations out.

Date: Mon, 22 Feb 93 23:03:28 EST
From: anomaly.sbs.com!n1mpq!system@uunet.uu.net
Subject: FORGET THE CW HELP BRUNO - GET A DICTIONARY INSTEAD!
To: info-hams@ucsd.edu

davep@llnl.gov (Dave Parker) writes:

> In article <C2twAr.AG3@news.Hawaii.Edu>, jherman@Hawaii.Edu wrote:
> >
> >
>
> > CHARACTER. SORRY FOR THE FLAME BUT IT HURTS MY EYES (AND BRAIN) TO
> > SEE SUCH THINGS. IT'S TOO BAD PEOPLE DON'T TAKE MORE PRIDE IN HOW THEY
> > PRESENT THEMSELVES ON THESE NETS.
> >
> > JEFF NH6IL.
>

> Kinda like reading messages that were typed in all caps! ;-)
>
> (couldn't resist!)
>
> Dave
> KD6RRS

Yeah but when you come right down to it, CW is in all caps anyways.

Tony

```
-----  
-- Tony Pelliccio, N1MPQ/AA           // Why do some hams run 20mW      //  
-- god @ garlic.sbs.com              // into a stub-ducky in a car    //  
-----// and wonder why they can't  //  
-- And for those wondering:          // hit a repeater?              //  
-- Yes I AM flame retardent!         -----  
-- #include ASBESTOS_UNDERWEAR ON -- Soon a 2x2 call                --  
-----  
-----
```

Date: Tue, 23 Feb 93 16:10:08 PST
From: LSAVMIC1.VNET.IBM.COM@uunet.uu.net
Subject: GAP vs R7
To: info-hams@ucsd.edu

At the risk of re-hashing what I am sure is old biz, can someone give me the good and bad points of verticals like the GAP and the R7? I have a friend that is considering one of these two, and if he has good success, I may try one too.

Thanks in advance....

Scott Currie, N6ECN

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-----  
Date: 23 Feb 93 21:31:38 GMT  
From: usc!howland.reston.ans.net!newsserver.jvnc.net!netnews.upenn.edu!  
mipg.upenn.edu!yee@network.UCSD.EDU  
Subject: Ground planes and vertical dipoles  
To: info-hams@ucsd.edu
```

After reading the latest thread on ground planes and the ARRL Handbook, I am confused. It was emphasized that for vertical dipoles, a good ground plane is very important. The ground plane is a series

of wires buried several inches under the ground. The antenna is hooked up to the core of the coax feedline while the groundplane is hooked up to the shielding. OK no problem to far.

In this newsgroup, it was emphasized that the groundline should be less than a quarter of a wavelength. Now if the bottom of the vertical dipole is on the ground, no problem. The ground plane and the dipole is very near each other and can be hooked up to the feedline. But what happens if the vertical dipole is on top of a tower. According to this newsgroup, the wire of the groundplane can not be run up to the bottom of the antenna.

Is it that a coax [henceforth called the vertical coax] is run down to the ground from the antenna? The antenna would be hooked up to the core of the vertical coax and the shield of the vertical coax is hooked up to the ground plane at ground level? From the ground, the core of the vertical coax is hooked up to core of the feedline which runs to the shack while the shield of the feedline is hooked up to the ground plane?

Furthermore, the system is inherently unbalanced from beginning to end. Is there any need for a 1:1 balun anywhere?

--

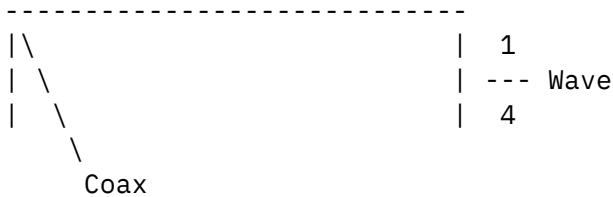
411 Blockley Hall		Conway Yee, N2JWQ
418 Service Drive		yee@ming.mipg.upenn.edu (preferred)
Philadelphia, PA 19104		cy5@cunixa.cc.columbia.edu (forwarded to above)
(215) 662-6780		

Date: Tue, 23 Feb 1993 22:16:39 GMT
From: usc!zaphod.mps.ohio-state.edu!uwm.edu!linac!att!cbnewsml
jeffj@network.UCSD.EDU
Subject: Indoor Antennas
To: info-hams@ucsd.edu

In article <930223094237_58@ccm.hf.intel.com> Cecil_A_Moore@ccm.hf.INTel.COM
(Cecil A Moore) writes:

>
>Tatsuya, take a look at the AntennasWest HalfSquare. Depending on
>frequency, it can fit in a high ceiling room or attic and has an
>extremely low angle of radiation. Their TechNote #122b on HalfSquares
>is \$7. AntennasWest, 1500 N. 150 W., Provo, UT 84604, (801)373-8425
>KG7BK Cecil_A_Moore@ccm.hf.intel.com

1/2 Wave



Bingo, instant Half Square! Not sure if they need a balun at the corner but I don't think so. I have hear of hams using this with great sucess on 2 meters!

73!

Jeff

--

Jeff Jones AB6MB		Nickel Back: What you get when you ask free
jeffj@seeker.mystic.com		agents to give you a million
Infolinc BBS 415-778-5929		dollars worth of effort.

Date: 23 Feb 93 20:34:19 GMT
From: usc!howland.reston.ans.net!spool.mu.edu!uwm.edu!logicse!sequent!
muncher.sequent.com!edw@network.UCSD.EDU
Subject: List of lists
To: info-hams@ucsd.edu

In article <9302221554.AA11065@scania.se> hans@wizard.scania.SE (Hans Johansson) writes:

>Hi,
>Yes, I know...
>I put my question to the wrong mailing-list, but I don't know any other way.
>Somewhere out there on the Internet there is a list of lists.
>A collection of mailing-lists and how to subscribe for them.

Read the newusers groups
each month a list of mailing lists is published.

--

-- I think I've got the hang of it now :w :q :wq :wq! ^d X exit ^X^C ~.
^[x X Q :quitbye CtrlAltDel ~~q :~q logout save/quit :!QUIT ^[zz ^[ZZ
ZZZZ ^H ^@ ^L ^[c \$q ^# ^E ^X ^I ^T ? help helpquit ^D ^d ^C ^c help
^]q exit ?Quit ?q anybackbone!sequent!edw edw@sequent.COM KA9AHQ 28.340

Date: 24 Feb 1993 00:18:00 GMT

From: swrinde!gatech!howland.reston.ans.net!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!The-Star.honeywell.com!umn.edu!gaia.ucs.orst.edu!
gaia.ucs.orst.edu!news@network.UCSD.EDU
Subject: Looking for 500 Hz CW filter for ICOM 730
To: info-hams@ucsd.edu

I am looking for the FL-45 CW Narrow 500Hz filter for the Icom 730. Icom does not stock the item anymore. Does anyone have a clue as to where I might find one? Also, do any of you know of any other suppliers of a replacement filter for the FL-45? I would appreciate any help anyone could provide.

Very 73's de Terry, N7DVA (brownt@oes.orst.edu)

Date: Wed, 24 Feb 1993 00:12:00 GMT
From: usc!howland.reston.ans.net!sol.ctr.columbia.edu!news.columbia.edu!
cunixb.cc.columbia.edu!kn1@network.UCSD.EDU
Subject: Question about a crystal.
To: info-hams@ucsd.edu

Hello, I do not know if this question pertains to radio hobbyists, please forgive my ignorance and direct me to the proper newsgroup if this is the wrong newsgroup to post this inquiry.

My friend needs to build a very special radio.
It's for his Electrical Engineering Project.

He needs two special crystals. He needs them quickly.
Money is not the problem, but time is of the utmost urgency.

Do you know anywhere which have FAST responses to these special crystals orders? (Less than 4 weeks?)

41.825 Mhz Third Overtone Crystal - in Package type XC49
(XTAL1 - 41.825Mhz Third Overtone Crystal, XC49 or equivalent)

17.5083 Mhz, Parallel Mode Crystal - 32pF - in Package type XC49
(XTAL2 - 17.5083 Mhz Parallel Mode Crystal, 32pF , XC49 or equivalent)

Thanks in advance
Kimball Ng

Date: 22 Feb 93 17:19:55 GMT
From: opel!slc1!vk2bea!michael@uunet.uu.net

Subject: Straight Keys
To: info-hams@ucsd.edu

In article <1993Feb17.141547.2482@news.ysu.edu> ag821@yfn.ysu.edu (Jeff Gold) writes:

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>  
>I remember seeing a straight key kit that was really  
>well made at a ham fest.. think it might have been  
>something like a Kent.. does anyone have any idea  
>what it might be.  
>  
>thanks and 73s  
>Jeff, AC4HF
```

Kent Engineers in the UK. They make a really nice solid key. Similar to the old British Post Office 610 key. (Much better than the standard US style in my opinion). In the US, Palomar Engineers in CA sell them (about \$100 I think). Pricy, but nothing around comes close to the quality or feel.

```
--
Michael Katzmann                > Broadcast Sports Technology Inc.
~~~~~                          < Crofton, Maryland. U.S.A
Amateur Radio Stations:         >
NV3Z / VK2BEA / G4NYV / AAR3VK < opel!vk2bea!michael@uunet.uu.net
```

Date: Tue, 23 Feb 1993 21:38:39 GMT
From: usc!cs.utexas.edu!hermes.chpc.utexas.edu!news.utdallas.edu!
feenix.metronet.com!marcbg@network.UCSD.EDU
Subject: Tokyo Hi-Power HF Talkie
To: info-hams@ucsd.edu

One more note : Please E-Mail the responses to me and I'll compile a posting for the group. - 73 and tnx!

Marc Grant		Internet: marcbg@feenix.metronet.com
POB 850472		Packet: n5mei@n5l1dd.#ntx.tx.usa.na
Richardson, TX 75085-0472		Amateur Radio Station N5MEI

Date: Tue, 23 Feb 1993 19:04:17 GMT
From: swrinde!cs.utexas.edu!csc.ti.com!tilde.csc.ti.com!mksol!mkserve!
blair@network.UCSD.EDU
Subject: too darn big!
To: info-hams@ucsd.edu

Every day 50 to 100 messages pass thru this group. It's gotten too big to keep up with. How many people would like to see some division? Maybe separate groups for packet, roll-your-own 'rs, mods, antennas, antiques, etc. Art. KB0DSI

Date: Wed, 24 Feb 1993 02:56:38 GMT
From: news.service.uci.edu!ttinews!harley!paulb@network.UCSD.EDU
Subject: Yugo Prefix needed
To: info-hams@ucsd.edu

recently, someone posted the split up of the yugo prefixes.

I didn't pay any attention. Then, a friend who is in England, without net access asked me if I knew the split.

The post has expired at my site.

So, if some kind soul could send me the split info, I would be grateful... or rather, he would.

Tia!
Paul

Date: Tue, 23 Feb 1993 17:53:16 GMT
From: newshub.nosc.mil!nosc!crash!telesoft!garym@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1m7bck\$fpn@uxa.ecn.bgu.edu>, <w2a48j@rpi.edu>, <1993Feb22.142403.9021@mixcom.com>•
Subject : Re: DESPERATE...NEED TO KNOW FACTS CONCERNING LEGALITY

In <1993Feb22.142403.9021@mixcom.com> kevin.jessup <kevin.jessup@mixcom.mixcom.com> writes:
>I know it is illegal to transmit out of band. Forgive my ignorance (I'm new
>at this: still waiting to receive my license) but I remember reading something
>in the ARRL book "Now Your Talking" about out-of-band transmit being OK in an
>emergency situation.

>Is this true? And can anyone provide more detail on this matter? What does
>the "letter-of-the-law" say?

This is getting to be a FAQ. Here's the text from Part 97:
--GaryM

97.403 Safety of life and protection of property.

No provision of these rules prevents the use by an amateur station of any means of radiocommunication at its disposal to provide essential communication needs in connection with the immediate safety of human life and immediate protection of property when normal communication systems are not available.

97.405 Station in distress.

(a) No provision of these rules prevents the use by an amateur station in distress of any means at its disposal to attract attention, make known its condition and location, and obtain assistance.

(b) No provision of these rules prevents the use by a station, in the exceptional circumstances described in paragraph (a), of any means of radiocommunications at its disposal to assist a station in distress.

End of Info-Hams Digest V93 #249
